

**MATERIAL SAFETY DATA SHEET**

MOLYBDATE SOLUTION 35%

Latest Revision Date...09/08/06

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SECTION 1

MANUFACTURER INFORMATION

HYDRO-ZONE, INC.  
17800 Telegraph Road  
Romulus, Michigan 48174  
Ph. (734) 247-4488

EMERGENCY CONTACT:  
(800) 255-3924

SECTION 2

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ S190  
TRADE NAME OR CHEMICAL NAME... MOLYBDATE SOLUTION 35%  
SYNONYMS..... Sodium Molybdate 35%; Molybdic Acid, Disodium Salt  
CHEMICAL FAMILY..... Molybdates  
NFPA - HEALTH HAZARD..... 1  
FIRE HAZARD..... 0  
REACTIVITY HAZARD..... 0  
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant  
KEY..... NA= Not Applicable ND= Not Determined

SECTION 3

HAZARDOUS INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Sodium Molybdate	7631-95-0	35	10.7 mg/m3	Not Established	No	No

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... NA  
D.O.T. HAZARD CLASS..... NA  
D.O.T. LABELS REQUIRED..... NA  
UN/NA I.D. NUMBER..... NA  
PACKAGING GROUP..... NA  
NON-BULK SHIPPING NAME..... Compound, Industrial Process Water Treating, Liquid  
BULK SHIPPING NAME..... Same

SECTION 5

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 218°F (103°C) / ND  
pH..... 7.0-10.0  
VAPOR PRESSURE mm Hg @20° C..... 22.8  
VAPOR DENSITY (Air = 1)..... 0  
PERCENT VOLATILE BY WEIGHT (%)..... 0  
SPECIFIC GRAVITY @20°C..... 1.30  
SOLUBILITY IN WATER..... 76%  
EVAPORATION RATE..... 0  
APPEARANCE AND ODOR..... Clear liquid with no odor.

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA  
AUTOIGNITION TEMPERATURE..... NA  
FLAMMABILITY LIMITS IN AIR (% V)... NA

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Not Combustible  
 SPECIAL FIRE FIGHTING PROCEDURES... NA  
 UNUSUAL FIRE & EXPLOSION HAZARDS... NA

SECTION 7

REACTIVITY DATA

PRODUCT STABILITY..... Stable  
 Conditions to Avoid..... NA  
 CHEMICAL INCOMPATIBILITY..... NA  
 HAZARDOUS DECOMPOSITION PRODUCTS... NA  
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8

HEALTH HAZARD DATA

SKIN CONTACT... May cause mild irritation.  
 EYE CONTACT.... Contact will cause irritation.  
 INHALATION..... May cause irritation.  
 INGESTION..... Effects unknown.

SECTION 9

EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.  
 EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.  
 INGESTION...If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.  
 INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10

ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Prevent spread of spill. Neutralize and flush with water to sanitary sewer.  
 WASTE DISPOSAL METHOD..... Dispose of in accordance with all federal, state and local regulations.  
 HAZARDOUS WASTE 40CFR261... NA  
 CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.  
 VENTILATION.....Local exhaust is generally sufficient to minimize exposure.  
 PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.  
 EYE PROTECTION.....Chemical goggles.  
 OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12

SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.